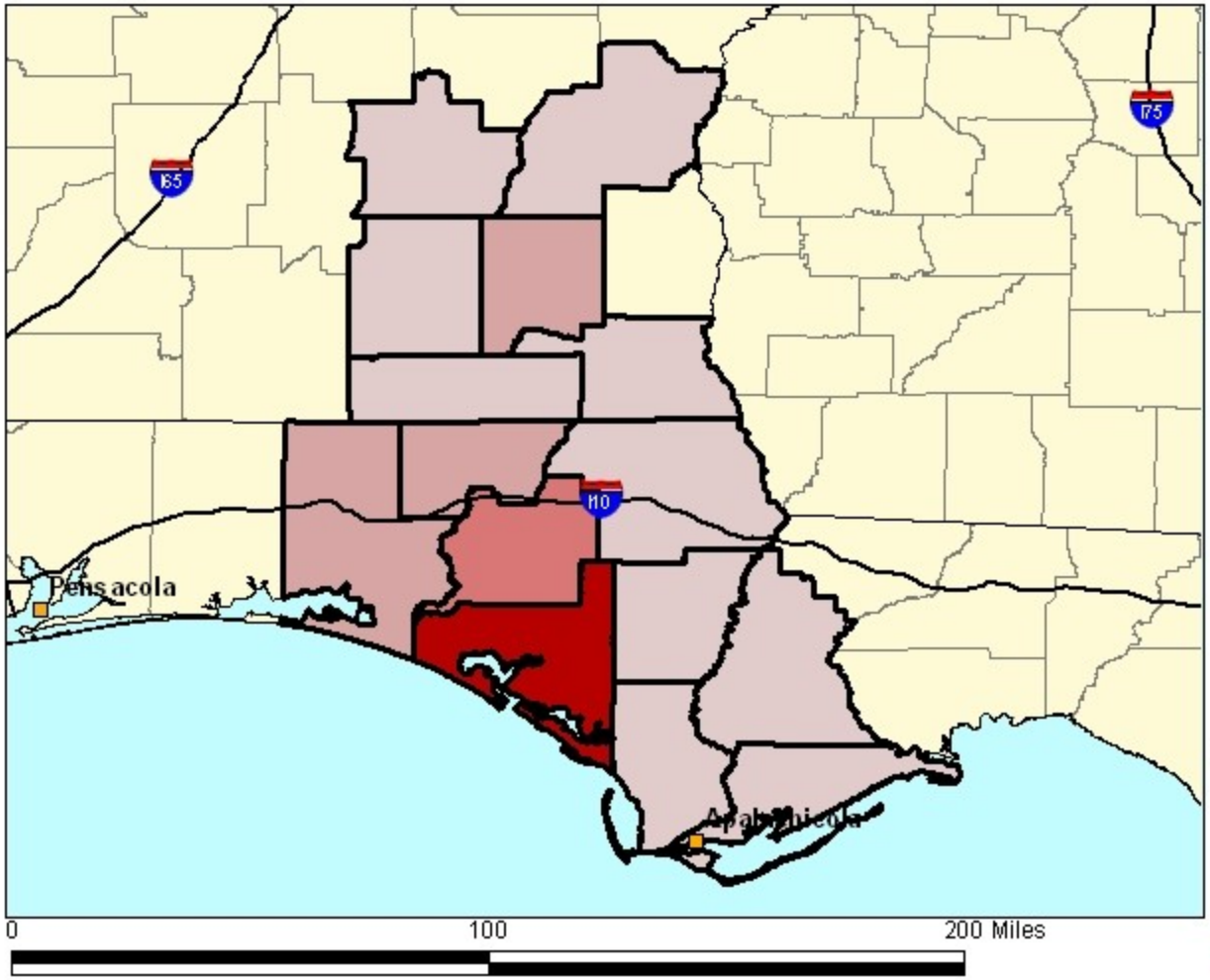
US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

For Official Use Only!



Post Landfall Debris Model Results

Florida - 4,787,000 Yards
Alabama - 252,000 Yards

Model results per county on following page

This model is based on a Category 3 storm making landfall near Panama City, FL.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall near Panama City, FL. These projections are based on information from the NHC (0900 EDT 06/05/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Debris Model	
Generated By: Siemsen, LRL 0930 EDT 06/05/2007	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 12

US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

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State	Yards per State	County	Yards per County
Alabama		Barbour	5,000
		Coffee	30,000
		Dale	112,000
		Geneva	80,000
		Houston	25,000
		Pike	< 1,000
Alabama	252,000		
Florida		Bay	4,177,000
		Calhoun	12,000
		Franklin	3,000
		Gulf	41,000
		Holmes	121,000
		Jackson	26,000
		Liberty	< 1,000
		Walton	120,000
		Washington	287,000
Florida	4,787,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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Hurricane Exercise Debris Model

Generated By:
Siemsen, LRL 0930 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

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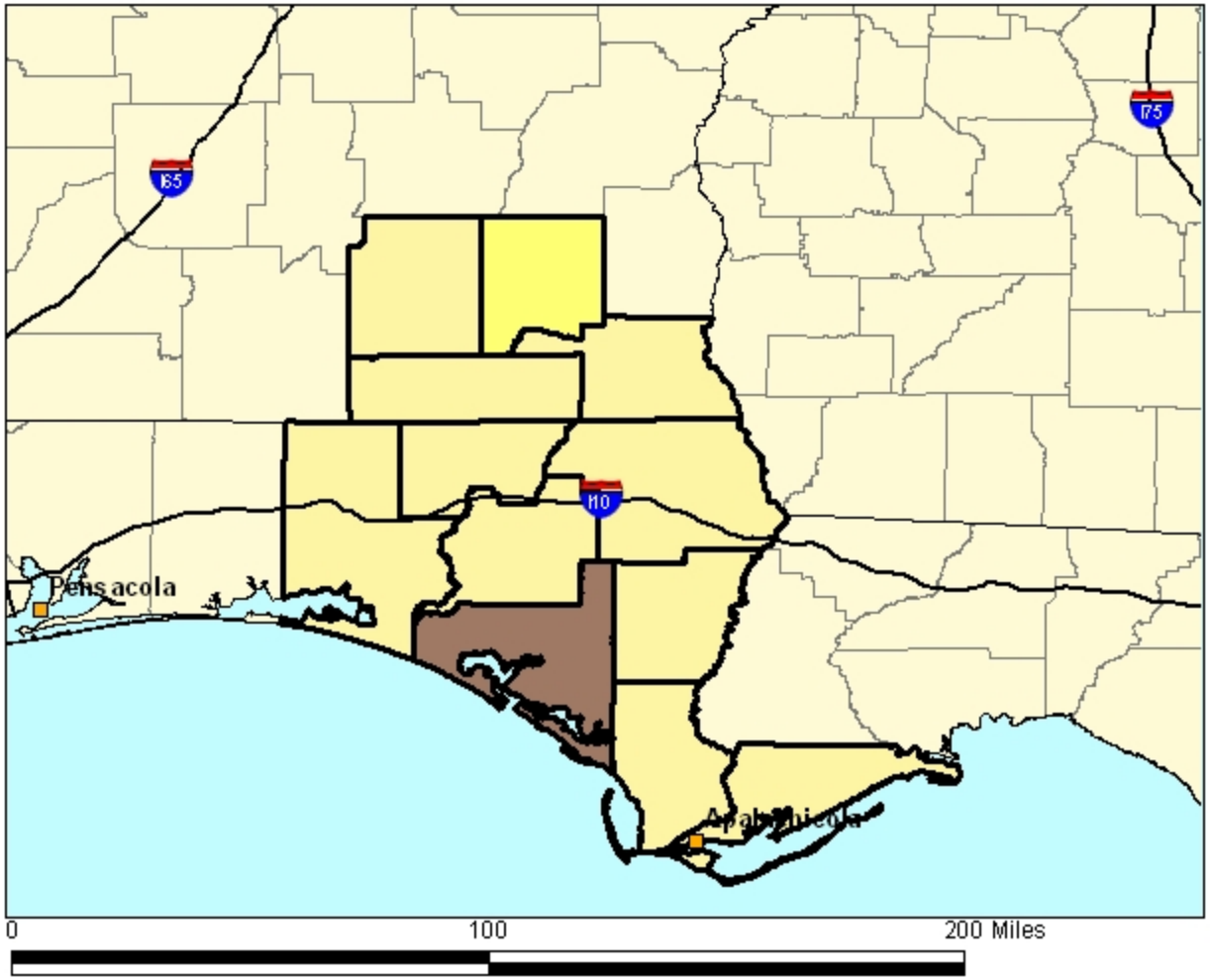

Post Landfall Population Model Results

Florida - 234,000
Alabama - 60,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Panama City, FL.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall near Panama City, FL. These projections are based on information from the NHC (0900 EDT 06/05/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model	
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US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Population per State	County	Population per County
Alabama		Coffee	5,000
		Dale	37,000
		Geneva	14,000
		Houston	4,000
Alabama	60,000		
Florida		Bay	162,000
		Calhoun	2,000
		Franklin	< 1,000
		Gulf	11,000
		Holmes	17,000
		Jackson	5,000
		Walton	14,000
		Washington	23,000
Florida	234,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model

Generated By:
Siemsen, LRL 0930 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

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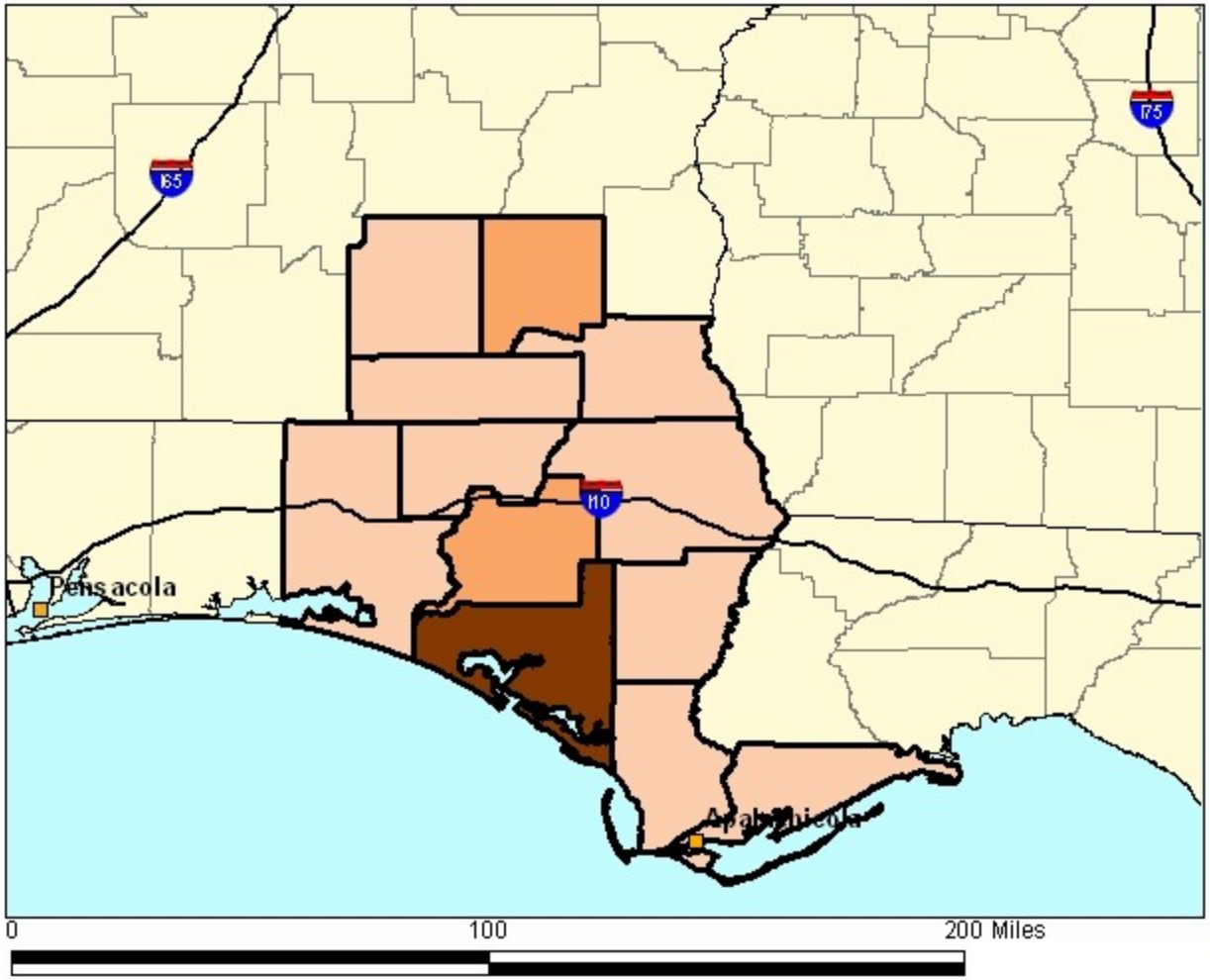

Post Landfall Households Model Results

Florida - 92,000
Alabama - 25,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Panama City, FL.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall near Panama City, FL. These projections are based on information from the NHC (0900 EDT 06/05/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Households Model	
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Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

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State	Households per State	County	Households per County
Alabama		Coffee	2,000
		Dale	15,000
		Geneva	6,000
		Houston	2,000
Alabama	25,000		
Florida		Bay	65,000
		Calhoun	< 1,000
		Franklin	< 1,000
		Gulf	4,000
		Holmes	6,000
		Jackson	2,000
		Walton	6,000
		Washington	9,000
Florida	92,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

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Hurricane Exercise Households Model

Generated By:
Siemsen, LRL 0930 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

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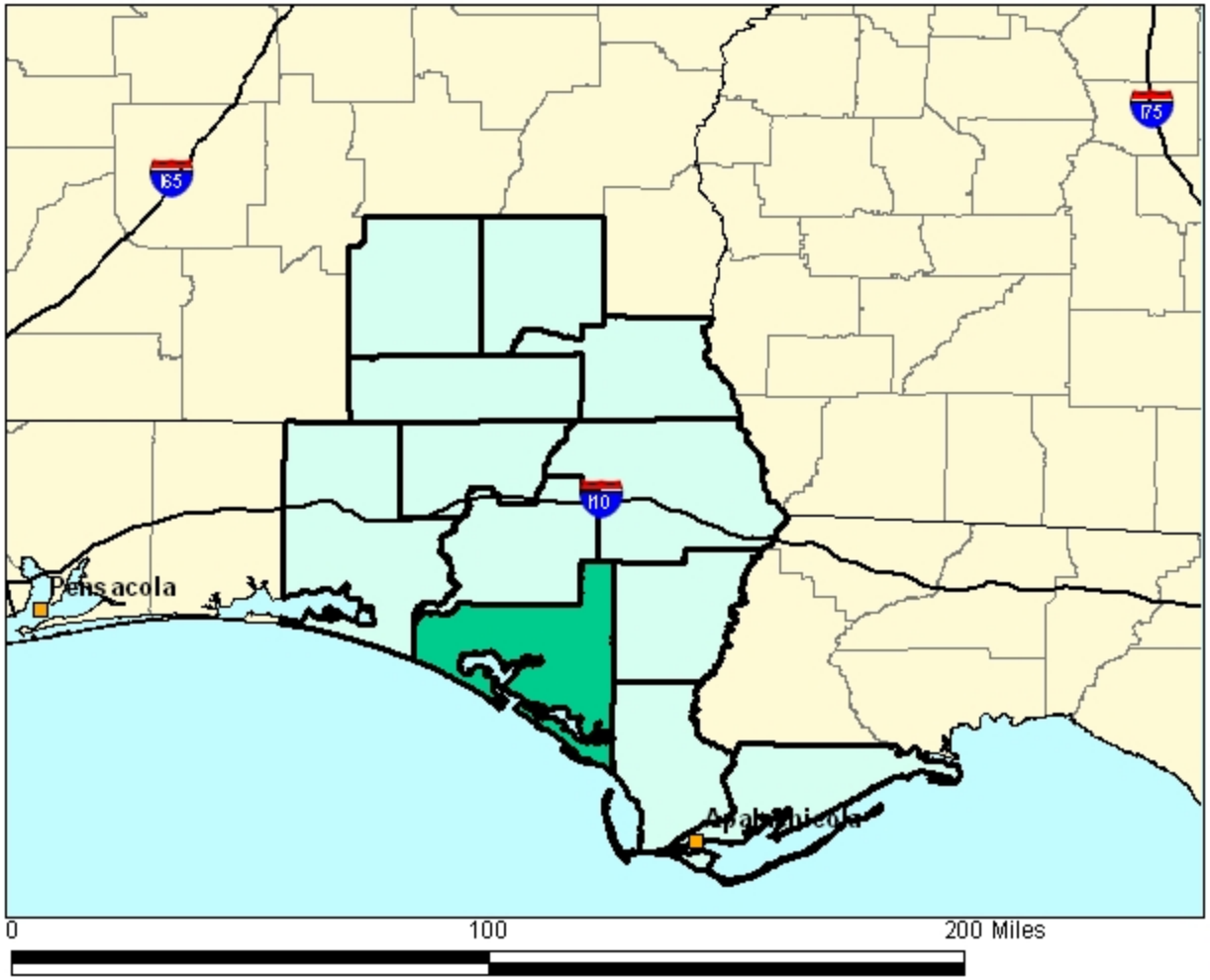

Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
FL – 23/23/23 Truckloads Each
AL – 2/4/7 Truckloads Each

Model results per county on following page

This model is based on a Category 3 storm making landfall near Panama City, FL.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall near Panama City, FL. These projections are based on information from the NHC ***(0900 EDT 06/05/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating.
Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model	
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US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About 4 Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Alabama		Coffee	1
		Dale	3
		Geneva	2
		Houston	1
Alabama	7		
Florida		Bay	13
		Calhoun	1
		Franklin	1
		Gulf	1
		Holmes	2
		Jackson	1
		Walton	2
		Washington	2
Florida	23		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model

Generated By:
Siemsen, LRL 0930 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

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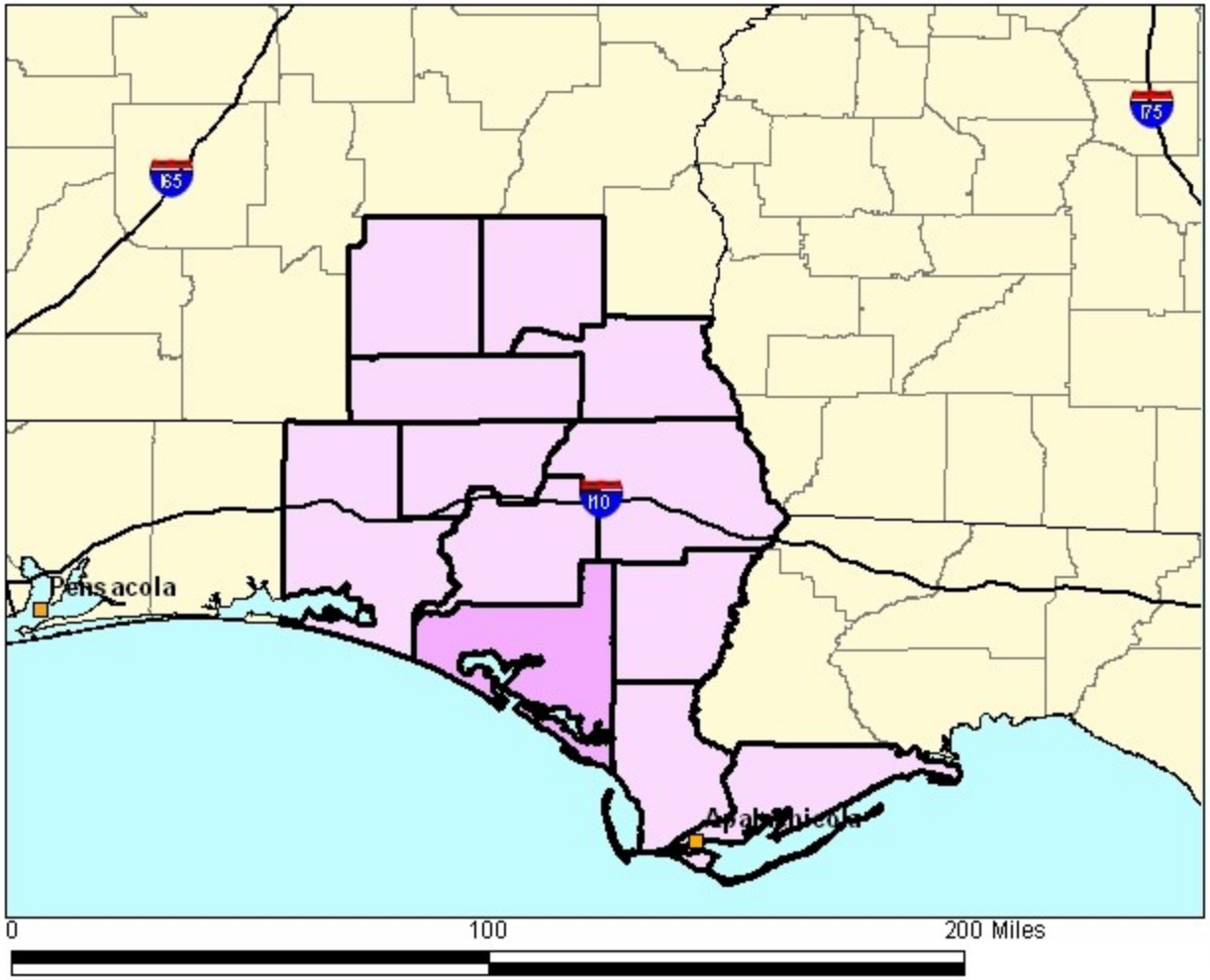

Post Landfall Temporary Housing Model Results

Florida - 3,600
Alabama - 400

Model results per county on following page

This model is based on a Category 3 storm making landfall near Panama City, FL.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Panama City, FL. These projections are based on information from the NHC (0900 EDT 06/05/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model	
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US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	per State	County	per County
Alabama		Coffee	< 100
		Dale	200
		Geneva	200
		Houston	< 100
Alabama	400		
Florida		Bay	3,100
		Calhoun	< 100
		Franklin	< 100
		Gulf	< 100
		Holmes	200
		Jackson	< 100
		Walton	< 100
		Washington	300
Florida	3,600		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model

Generated By:
Siemsen, LRL 0930 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Exercise Temporary Roofing Model

US Army Corps of Engineers

Landfall Expected In About **4** Hours

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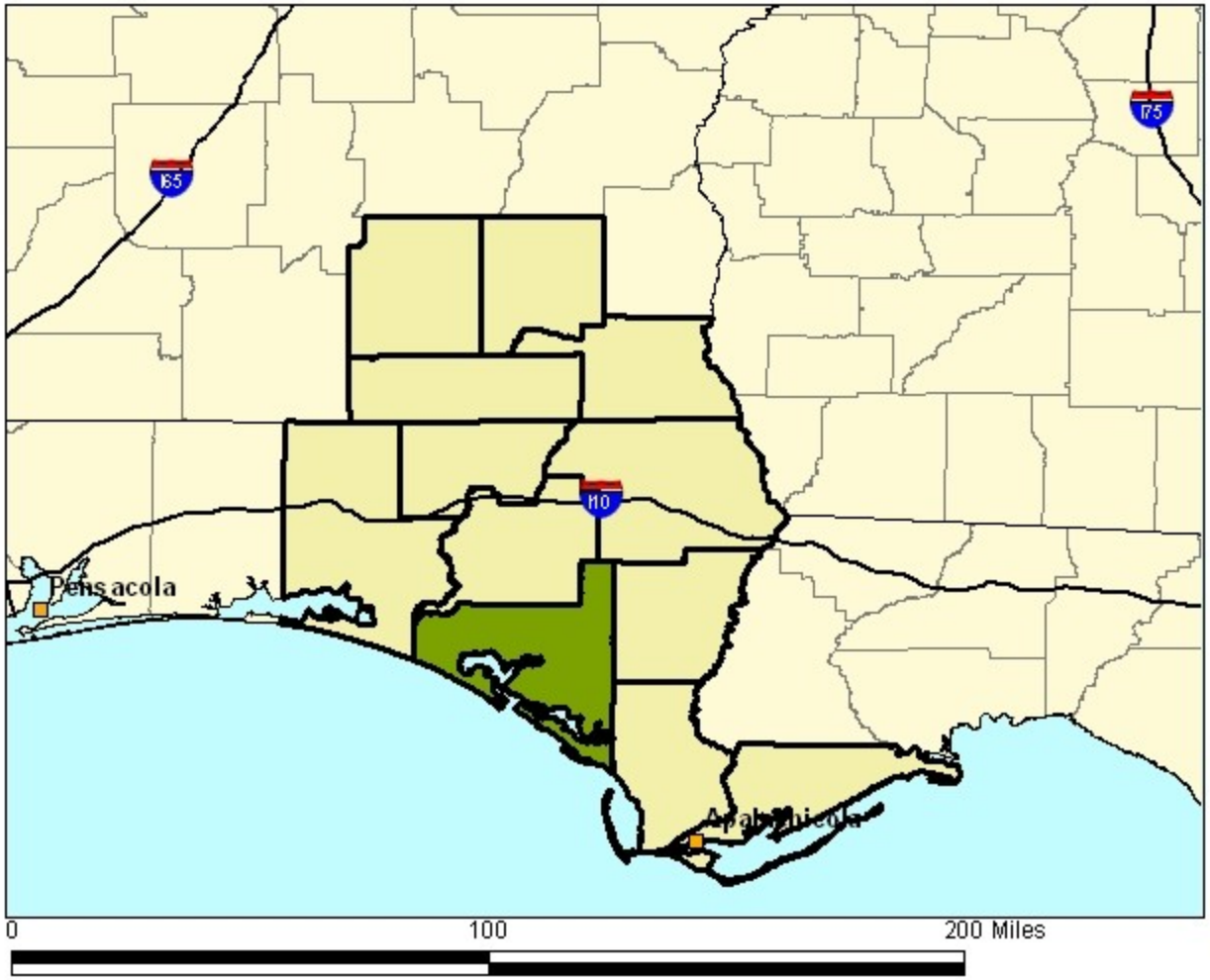

Post Landfall Temporary Roofing Model Results

Florida - 7,100
Alabama - 700

Model results per county on following page

This model is based on a Category 3 storm making landfall near Panama City, FL.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Panama City, FL. These projections are based on information from the NHC (0900 EDT 06/05/2007) forecast. Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Roofing Model	
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Sources: HURREVAC LRL-DEBRIS	Page 11 of 12

US Army Corps of Engineers

Hurricane Exercise Temporary Roofing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Alabama		Coffee	< 100
		Dale	400
		Geneva	300
		Houston	< 100
Alabama	700		
Florida		Bay	6,100
		Calhoun	< 100
		Franklin	< 100
		Gulf	< 100
		Holmes	300
		Jackson	< 100
		Walton	200
		Washington	500
Florida	7,100		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

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Hurricane Exercise Roofing Model

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